



Release Notes for Intel® RealSense™ Depth Camera Manager (DCM) SR300 3.3

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1. INTEL® REALSENSE™ CAMERA MANAGEMENT

This release notes covers SR300 3.3 of Intel® RealSense™ Depth Camera Manager used with Intel RealSense 3D Camera.

The Intel RealSense Depth Camera Manager (DCM) system is intended to expose interface to streaming video from a depth camera, for both color and depth.

Please refer to the “Intel RealSense 3D Camera Software License.rtf” for license terms and conditions.

This release has a number of known issues. These issues may be addressed with software updates in the future.

Please see your Intel representative for additional support.

1.1. COMPONENTS

Intel RealSense™ Depth Camera Manager Service - The camera service is a Microsoft* Windows* based service that runs on the client machine. The camera service allows multiple Intel RealSense SDK applications and a single non SDK application to access data from the camera simultaneously, without blocking each other.

Intel RealSense™ 3D Camera Virtual Driver - The camera virtual driver is a Microsoft Windows based AVStream driver that runs on the client machine. The camera virtual driver allows non-SDK application to access camera streams as if they are connecting directly to the camera and without blocking other SDK applications.

1.2. HARDWARE REQUIREMENTS

- 6th generation (code named SKL-U) Intel® Core™ processor
- 150 MB free hard disk space, 4GB RAM
- The Intel RealSense™ SR300 3D Camera
 - DCM version 3.3.27.5718
 - DPTF version 2.3.27.5718
 - Firmware version 3.21.0.0
 - DLL version 3.6.13.0
- A free USB 3 port for the Intel RealSense™ 3D Camera, or a dedicated connection for integrated camera.

IMPORTANT NOTE: To support the bandwidth needed by the camera, a **USB3** interface is required. This interface must be connected to a **dedicated** USB3 port within the client system (do not use a hub).



1.3. SOFTWARE REQUIREMENTS

Microsoft Windows 10 Threshold 2 build 10586 and above

1.4. MICROSOFT DRIVER HLK

Microsoft HLK Virtual Driver Submission ID: 1848403

Microsoft HLK device Submission ID: 1899004

1.5. INSTALLATION

- Remove Intel® RealSense™ Depth Camera Manager F250\SR300 from Programs and Features if it is present on the system and reboot the system
- Option one – install via a .EXE installer
 - Unzip the intel_rs_dcm_sr300_3.3.27.5718 if a zip file was received
 - Run the DCM installer (intel_rs_dcm_sr300_3.3.27.5718.exe) and follow the instruction on the screen
- Option two – install via a .INF installer
 - Extract all files from the package .ZIP if you received one
 - Right click on RealSenseSR300Depth.inf file and select “Install”
 - Wait until receiving a confirmation the package was installed
 - Reboot the system



2. NEW FEATURES IN THIS RELEASE

Description
Windows Hello performance and stability improvements
External Trigger – Support for triggering depth frames from external hardware

3. ISSUES RESOLVED IN THIS RELEASE

Issue
Windows hello's face enrollment might stop when starting Windows Camera application
DCM service might freeze after rapidly restarting camera streaming in parallel to setting camera properties (stress conditions)
FW not updated for additional camera if DCM is already installed
Installer: Version was not updated in attributions.rtf file of DCM installer
Computer restart is required after Installation through INF when 2 SR300 cameras connected
Installer: Localization issues with languages other than English
If SR300 camera is connected to the same USB3.0 as the previous SR300 camera, the second camera's FW is not upgraded
Delay when closing the stream/camera after camera unplug, while streaming



4. KNOWN LIMITATIONS

Issue	Recovery
IR Stop working after Improve recognition while select camera on skype that using Depth camera	Known limitation
Windows Hello might not work when a DCM of more than one camera type is installed	Windows limitation
Low FPS with multi SDK applications	If an application is not working properly, leave only the required application open
Depth device might disappear from Device Manager if shutting down the system during driver update	Known limitation
When SDK application updates a property the new value is not updated in Universal App	Close the app and open a new universal app
FW Upgrade can be done for up to two cameras that are connected	Known limitation
Replacing the camera while DCM is being installed is not supported	Uninstall DCM and remove the following key from registry: HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Intel\RSSDK\Components\dcm_service_sr300\IntegratedCamera



5. LEGAL DISCLAIMER

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